



EDMUND G. BROWN JR.
GOVERNOR



MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board

Division of Drinking Water

August 3, 2017

System No. 4400801

Tim McNulty, Facilities Supervisor
Lockheed Martin Space Systems
16020 Empire Grade Road
Santa Cruz, CA 95060

COMPLIANCE ORDER NO. 02_05_17R_004

FAILURE TO UTILIZE AN APPROVED SURFACE WATER TREATMENT FILTRATION TECHNOLOGY

Enclosed is a Compliance Order issued to the Lockheed Martin Space Systems public water system.

Lockheed Martin Space Systems will be billed at the State Water Resources Control Board's (hereinafter "State Water Board") hourly rate for the time spent on issuing this Compliance Order. California Health and Safety Code (hereinafter "CHSC"), Section 116577, provides that a public water system must reimburse the State Water Board for actual costs incurred by the State Water Board for specified enforcement actions, including but not limited to, preparing, issuing and monitoring compliance with a compliance order. At this time, the State Water Board has spent approximately two hours on enforcement activities associated with this violation.

Lockheed Martin Space Systems will receive a bill sent from the State Water Board in August of the next fiscal year. This bill will contain fees for any enforcement time spent on the Lockheed Martin Space Systems for the current fiscal year.

Any person who is aggrieved by a citation, order or decision issued by the Deputy Director of the Division of Drinking Water under Article 8 (commencing with CHSC, Section 116625) or Article 9 (commencing with CHSC, Section 116650), of the Safe Drinking Water Act (CHSC, Division 104, Part 12, Chapter 4), may file a petition with the State Water Board for reconsideration of the citation, order or decision. Appendix 1 to the enclosed Citation contains the relevant statutory provisions for filing a petition for reconsideration (CHSC, Section 116701).

Petitions must be received by the State Water Board within 30 days of the issuance of the citation, order or decision by the Deputy Director. The date of issuance is the date when the Division of Drinking Water mails a copy of the citation, order or decision. If the 30th day falls on a Saturday, Sunday, or state holiday, the petition is due the following business day by 5:00 p.m.

Information regarding filing petitions may be found at:

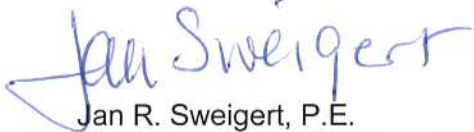
http://www.waterboards.ca.gov/drinking_water/programs/petitions/index.shtml

FELICIA MARCUS, CHAIR | THOMAS HOWARD, EXECUTIVE DIRECTOR

1 Lower Ragsdale, Bldg. 1, Suite 120, Monterey, CA 93940 | www.waterboards.ca.gov

If you have any questions regarding this matter, please contact Jonathan Weininger of my staff at (831) 655-6932 or me at (831) 655-6934.

Sincerely,



Jan R. Sweigert, P.E.
District Engineer, Monterey District Office
Northern California Field Operations Branch
Division of Drinking Water

Enclosures

Certified Mail No. 7008-1830-0004-5435-2848

cc: Santa Cruz County Environmental Health Department (email)

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER

Name of Public Water System: Lockheed Martin Space Systems

Water System No: 4400801

To: Tim McNulty, Facilities Supervisor
Lockheed Martin Space Systems
16020 Empire Grade Road
Santa Cruz, CA 95060

Issued: August 3, 2017

**COMPLIANCE ORDER FOR NONCOMPLIANCE
WITH SURFACE WATER TREATMENT FILTRATION TECHNOLOGY
REQUIREMENTS
CALIFORNIA CODE OF REGULATIONS,
TITLE 22, SECTIONS 64652(a) AND 64653(a), (b), AND (e)
JULY 2017**

The California Health and Safety Code (hereinafter "CHSC"), Section 116655 authorizes the State Water Resources Control Board (hereinafter "State Water Board") to issue a compliance order to a public water system when the State Water Board determines that the public water system has violated or is violating the California Safe Drinking Water Act (hereinafter "California SDWA"), (CHSC, Division 104, Part 12, Chapter 4, commencing

1 with Section 116270), or any regulation, standard, permit, or order issued or adopted
2 thereunder.

3
4 The State Water Board, acting by and through its Division of Drinking Water (hereinafter
5 "Division") and the Deputy Director for the Division, hereby issues Compliance Order No.
6 02_05_17R_004 (hereinafter "Order") pursuant to Section 116655 of the CHSC to the
7 Lockheed Martin Space Systems (hereinafter "Lockheed Martin") for violation of CHSC,
8 Sections 116555(a)(1) and (a)(3) and California Code of Regulations (hereinafter "CCR"),
9 Title 22, Sections 64652 (a) and 64653 (a), (b), and (e).

10
11 A copy of the applicable statutes and regulations are included in Appendix 1, which is
12 attached hereto and incorporated by reference.

13 14 **STATEMENT OF FACTS**

15 Lockheed Martin is classified as a nontransient noncommunity public water system that
16 serves a population of approximately 100 individuals through one service connection.
17 Lockheed Martin uses one active surface water source, the Mill Creek Reservoir. Surface
18 water treatment is provided by an onsite treatment plant that consists of coagulation,
19 polymer addition, filtration, and chlorination.

20
21 During the Division's inspection of Lockheed Martin on April 25, 2017, the Division noted
22 that the surface water treatment plant was in poor overall condition and potentially lacking
23 the processes that comprise an approved surface water treatment technology. After
24 analyzing records provided by Santa Cruz County Environmental Health Services, the
25 State Water Board has determined Lockheed Martin's surface water treatment plant lacks
26 a flocculation process and therefore cannot be defined as a "direct filtration" treatment
27 plant. Lockheed Martin has not submitted results of a demonstration study to verify that

the existing treatment plant produces water that meets the pathogen removal requirements specified in the Surface Water Treatment Rule.

DETERMINATION

CCR, Title 22, Section 64652(a), *Treatment Technique Requirements and Compliance Options*, states that a supplier using approved surface water shall provide multibarrier treatment and ensures that at least: (1) a total of 99.9 percent reduction of *Giardia lamblia* cysts through filtration and disinfection; (2) a total of 99.99 percent reduction of viruses through filtration and disinfection; and (3) a total of 99 percent removal of *Cryptosporidium* through filtration.

CCR, Title 22, Section 64653 (a), *Filtration*, states that all approved surface water utilized by a supplier shall be treated using one of the following filtration technologies unless an alternative process has been approved by the State Water Board pursuant to subsections (e), (f), (g) and (h): (1) Conventional filtration treatment; (2) Direct filtration treatment; (3) Diatomaceous earth filtration; or (4) Slow sand filtration. CCR, Title 22, Section 64653 (e) states that an alternative to the filtration technologies specified in subsection (a) may be used provided that the supplier demonstrates to the State Water Board that the alternative technology: (1) Provides a minimum of 99 percent *Giardia lamblia* cyst removal, 90 percent virus removal for the suppliers serving more than 500 persons, and 99 percent *Cryptosporidium* removal; and (2) Meets the turbidity performance standards established by the State Water Board, as determined from the alternative filtration technology demonstration conducted pursuant to subsection (f). The turbidity performance standards shall not be less stringent than the turbidity performance standards established in subsection (c)(1).

Lockheed Martin is using an unapproved surface water treatment process. Reduction credits for *Giardia lamblia*, viruses, and *Cryptosporidium* are unknown for its unapproved treatment technology.

On the basis of the above Statement of Facts, the State Water Board has determined that Lockheed Martin violated CCR, Title 22, Sections 64652(a) and 64653(a), (b), and (e).

DIRECTIVES

Lockheed Martin is hereby directed to take the following actions:

1. Commencing on the date of service of this Order, provide quarterly public notification pursuant to CCR, Title 22, Section 64463.4, until Lockheed Martin is in compliance with CCR, Title 22, Sections 64652(a) and 64653(a). The public notification for the third quarter of 2017 shall be distributed by **September 30, 2017** in accordance with the directives of this Order. Appendix 2: Notification Template may be used to fulfill this Directive. The distribution of the notification must be completed by the following methods:
 - (a) Direct distribution by hand delivery or direct mailing to all employees and onsite contractors
 - (b) Posting in conspicuous public places served by the water system
2. Submit a draft copy of the public notification required in Directive 1 to the State Water Board for approval prior to distribution.
3. Commencing on the date of service of this Order, submit proof of each public notification conducted in compliance with Directive 1, herein above, within 10 days following each such notification, using the form provided as Appendix 3 hereto.

4. Prepare a Corrective Action Plan for State Water Board approval that identifies actions to be taken by Lockheed Martin to comply with the Surface Water Treatment Rule treatment technology and filtration requirements. The plan shall include milestones for the project which may include, but are not limited to, planning (i.e. additional water quality samples, modeling, alternatives analyses and piloting), financing, design, construction, and startup. The Compliance Action Plan shall include a time schedule with dates for completion of each milestone and a final date for compliance with the filtration requirements in the Surface Water Treatment Rule, which shall be no later than **December 31, 2019**.
5. On or before **October 31, 2017**, meet with the State Water Board in person at the State Water Board's office located at 1 Lower Ragsdale Drive, Building 1, Suite 120, Monterey, California to present the Corrective Action Plan required in Directive 4 and discuss Lockheed Martin's proposed path towards compliance as described in this Order. Contact the Monterey District office in advance to schedule an appointment.
6. Complete the State Water Board approved Corrective Action Plan and each and every element of said plan according to the time schedule set forth therein.
7. On or before **January 10, 2018** and every three months thereafter, submit a progress report to the State Water Board showing actions taken during the previous calendar quarter to comply with the Corrective Action Plan, using the form provided as Appendix 4. Due dates for each calendar quarter are as follows:

Calendar Quarter	Progress Report Due Date
January 1 – March 30	April 10
April 1 – June 30	July 10
July 1 – September 30	October 10
October 1 – December 31	January 10

8. By **December 31, 2019**, demonstrate to the State Water Board that the water delivered by Lockheed Martin complies with the Surface Water Treatment Rule.

9. Notify the State Water Board in writing no later than five (5) days prior to the deadline for performance of any directive set forth herein if Lockheed Martin anticipates it will not meet the deadline.

10. Until returning to compliance, all future annual Consumer Confidence Reports shall include the following information related to this Order: the length of the violation, potential adverse health effects, and actions taken by the water system to address the violations. A draft Consumer Confidence Report shall be submitted to the State Water Board for review and approval prior to distribution each year.

All submittals required by this Order shall be electronically submitted to the State Water Board at the following address. The subject line for all electronic submittals corresponding to this Order shall include the following information: Water System name and number, order number and title of the document being submitted.

Jan Sweigert, P.E.
District Engineer, Monterey District Office
Dwpdist05@waterboards.ca.gov

The State Water Board reserves the right to make such modifications to this Order as it may deem necessary to protect public health and safety. Such modifications may be issued as amendments to this Order and shall be effective upon issuance.

Nothing in this Order relieves Lockheed Martin of its obligation to meet the requirements of the California SDWA (CHSC, Division 104, Part 12, Chapter 4, commencing with Section 116270), or any regulation, standard, permit or order issued or adopted thereunder.

PARTIES BOUND


This Order shall apply to and be binding upon Lockheed Martin, its owners, shareholders, officers, directors, agents, employees, contractors, successors, and assignees.

SEVERABILITY

The directives of this Order are severable, and Lockheed Martin shall comply with each and every provision thereof notwithstanding the effectiveness of any provision.

FURTHER ENFORCEMENT ACTION

The California SDWA authorizes the State Water Board to: issue a citation or order with assessment of administrative penalties to a public water system for violation or continued violation of the requirements of the California SDWA or any regulation, permit, standard, citation, or order issued or adopted thereunder including, but not limited to, failure to correct a violation identified in a citation or compliance order. The California SDWA also authorizes the State Water Board to take action to suspend or revoke a permit that has been issued to a public water system if the public water system has violated applicable law or regulations or has failed to comply with an order of the State Water Board, and to petition the superior court to take various enforcement measures against a public water system that has failed to comply with an order of the State Water Board. The State Water Board does not waive any further enforcement action by issuance of this Compliance Order.


Stefan Cajina, P.E., Chief
North Coastal Section
State Water Resources Control Board
Division of Drinking Water

Aug. 3, 2017
Date



1

2 Appendices (4):

3

4 1. Applicable Statutes and Regulations

5 2. Notification Template

6 3. Compliance Certification Form

7 4. Quarterly Progress Report Form

8

9 Certified Mail No. 7008-1830-0004-5435-2848

APPENDIX 1. APPLICABLE STATUTES AND REGULATIONS
For Compliance Order No. 02_05_17R_004
Surface Water Treatment Rule Filtration Requirements

NOTE: The following language is provided for the convenience of the recipient, and cannot be relied upon as the State of California's representation of the law. The published codes are the only official representation of the law. Regulations related to drinking water are in Titles 22 and 17 of the California Code of Regulations. Statutes related to drinking water are in the Health & Safety Code, the Water Code, and other codes.

California Health and Safety Code (CHSC):

Section 116271 (Transition of CDPH duties to State Water Board) states in relevant part:

(a) The State Water Resources Control Board succeeds to and is vested with all of the authority, duties, powers, purposes, functions, responsibilities, and jurisdiction of the State Department of Public Health, its predecessors, and its director for purposes of all of the following:

- (1) The Environmental Laboratory Accreditation Act (Article 3 (commencing with Section 100825) of Chapter 4 of Part 1 of Division 101).
- (2) Article 3 (commencing with Section 106875) of Chapter 4 of Part 1.
- (3) Article 1 (commencing with Section 115825) of Chapter 5 of Part 10.
- (4) This chapter and the Safe Drinking Water State Revolving Fund Law of 1997 (Chapter 4.5 (commencing with Section 116760)).
- (5) Article 2 (commencing with Section 116800), Article 3 (commencing with Section 116825), and Article 4 (commencing with Section 116875) of Chapter 5.
- (6) Chapter 7 (commencing with Section 116975).
- (7) The Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Division 43 (commencing with Section 75001) of the Public Resources Code).
- (8) The Water Recycling Law (Chapter 7 (commencing with Section 13500) of Division 7 of the Water Code).
- (9) Chapter 7.3 (commencing with Section 13560) of Division 7 of the Water Code.
- (10) The California Safe Drinking Water Bond Law of 1976 (Chapter 10.5 (commencing with Section 13850) of Division 7 of the Water Code).
- (11) Wholesale Regional Water System Security and Reliability Act (Division 20.5 (commencing with Section 73500) of the Water Code).
- (12) Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002 (Division 26.5 (commencing with Section 79500) of the Water Code).

(b) The State Water Resources Control Board shall maintain a drinking water program and carry out the duties, responsibilities, and functions described in this section. Statutory reference to "department," "state department," or "director" regarding a function transferred to the State Water Resources Control Board shall refer to the State Water Resources Control Board. This section does not impair the authority of a local health officer to enforce this chapter or a county's election not to enforce this chapter, as provided in Section 116500...

(k)

- (1) The State Water Resources Control Board shall appoint a deputy director who reports to the executive director to oversee the issuance and enforcement of public water system permits and other duties as appropriate. The deputy director shall have public health expertise.
- (2) The deputy director is delegated the State Water Resources Control Board's authority to provide notice, approve notice content, approve emergency notification plans, and take other action pursuant to Article 5 (commencing with Section 116450), to issue, renew, reissue, revise, amend, or deny any public water system permits pursuant to Article 7 (commencing with Section 116525), to suspend or revoke any public water system permit pursuant to Article 8 (commencing with Section 116625), and to issue citations, assess penalties, or issue orders pursuant to Article 9 (commencing with Section 116650). Decisions and actions of the deputy director taken pursuant to Article 5 (commencing with Section 116450) or Article 7 (commencing with Section 116525) are deemed decisions and actions taken, but are not subject to reconsideration, by the State Water Resources Control Board. Decisions and actions of the deputy director taken pursuant to Article 8 (commencing with Section 116625) and Article 9 (commencing with Section 116650) are deemed decisions and actions taken by the State Water Resources Control Board, but any aggrieved person may petition the State Water Resources Control Board for reconsideration of the decision or action. This subdivision is not a limitation on the State Water Resources Control Board's authority to delegate any other powers and duties.

Section 116625 (Revocation and suspension of permits) states:

(a) The department, after a hearing noticed and conducted as provided in Section 100171, may suspend or revoke any permit issued pursuant to this chapter if the department determines pursuant to the hearing that the permittee is not complying with the permit, this chapter, or any regulation, standard, or order issued or adopted thereunder, or that the permittee has made a false statement or representation on any application, record, or report maintained or submitted for purposes of compliance with this chapter. If the permit at issue has been temporarily suspended pursuant to subdivision (c), the accusation shall be served and notice of the hearing date given within 15 days of the effective date of the temporary suspension order. The commencement of the hearing shall be as soon as practicable, but in no case later than 60 days after the effective date of the temporary suspension order.

(b) The permittee may file with the superior court a petition for a writ of mandate for review of any decision of the department made pursuant to subdivision (a). Failure to file a petition shall not preclude a party from challenging the reasonableness or validity of a decision of the department in any judicial proceeding to enforce the decision or from pursuing any remedy authorized by this chapter.

(c) The department may temporarily suspend any permit issued pursuant to this chapter prior to any hearing when the action is necessary to prevent an imminent or substantial danger to health. The director shall notify the permittee of the temporary suspension and the effective date thereof and, at the same time, notify the permittee that a hearing has been scheduled. The hearing shall be held as soon as possible, but not later than 15 days after the effective date of the temporary suspension and shall deal only with the issue of whether the temporary suspension shall remain in place pending a hearing on the merits. The temporary suspension shall remain in effect until the hearing is completed and the director has made a final determination on the temporary suspension, that in any event shall be made within 15 days after the completion of the hearing. If the determination is not transmitted within 15 days after the hearing is completed, the temporary suspension shall be of no further effect. Dissolution of the temporary suspension does not deprive the department of jurisdiction to proceed with a hearing on the merits under subdivision (a).

Section 116555 (Operational Requirements) states in relevant part:

(a) Any person who owns a public water system shall ensure that the system does all of the following:

- (1) Complies with primary and secondary drinking water standards.
- (2) Will not be subject to backflow under normal operating conditions.
- (3) Provides a reliable and adequate supply of pure, wholesome, healthful, and potable water.

Section 116655 (Orders) states:

(a) Whenever the State Water Board determines that any person has violated or is violating this chapter, or any order, permit, regulation, or standard issued or adopted pursuant to this chapter, the State Water Board may issue an order doing any of the following:

- (1) Directing compliance forthwith.
- (2) Directing compliance in accordance with a time schedule set by the State Water Board.
- (3) Directing that appropriate preventive action be taken in the case of a threatened violation.

(b) An order issued pursuant to this section may include, but shall not be limited to, any or all of the following requirements:

- (1) That the existing plant, works, or system be repaired, altered, or added to.
- (2) That purification or treatment works be installed.
- (3) That the source of the water supply be changed.
- (4) That no additional service connection be made to the system.
- (5) That the water supply, the plant, or the system be monitored.
- (6) That a report on the condition and operation of the plant, works, system, or water supply be submitted to the State Water Board.

Section 116701 (Petitions to Orders and Decisions) states:

(a) Within 30 days of issuance of an order or decision issued by the deputy director under Article 8 (commencing with Section 116625) or Article 9 (commencing with Section 116650), an aggrieved person may petition the state board for reconsideration. Where the order or decision of the deputy director is issued after a hearing under Chapter 5 (commencing with Section 11500) of Part 1 of Division 3 of Title 2 of the Government Code, this section shall apply instead of Section 11521 of the Government Code.

(b) The petition shall include the name and address of the petitioner, a copy of the order or decision for which the petitioner seeks reconsideration, identification of the reason the petitioner alleges the issuance of the order was inappropriate or improper, the specific action the petitioner requests, and other information as the state board may prescribe. The petition shall be accompanied by a statement of points and authorities of the legal issues raised by the petition.

(c) The evidence before the state board shall consist of the record before the deputy director and any other relevant evidence that, in the judgment of the state board, should be considered to implement the policies of this chapter. The state board may, in its discretion, hold a hearing for receipt of additional evidence.

(d) The state board may refuse to reconsider the order or decision if the petition fails to raise substantial issues that are appropriate for review, may deny the petition upon a determination that the issuance of the order or decision was appropriate and proper, may set aside or modify the order or decision, or take other appropriate action. The state board's action pursuant to this subdivision shall constitute the state board's completion of its reconsideration.

- (e) The state board, upon notice and hearing, if a hearing is held, may stay in whole or in part the effect of the order or decision of the deputy director.
- (f) If an order of the deputy director is subject to reconsideration under this section, the filing of a petition for reconsideration is an administrative remedy that must be exhausted before filing a petition for writ of mandate under Section 116625 or 116700.

California Code of Regulations (CCR), Title 22:

§64652. Treatment Technique Requirements and Compliance Options.

- (a) A supplier using an approved surface water shall provide multibarrier treatment that meets the requirements of this chapter and reliably ensures at least, between a point where the raw water is not subject to recontamination by surface water runoff and a point downstream before or at the first customer:
 - (1) A total of 99.9 percent reduction of *Giardia lamblia* cysts through filtration and disinfection;
 - (2) A total of 99.99 percent reduction of viruses through filtration and disinfection; and
 - (3) A total of 99 percent removal of *Cryptosporidium* through filtration.

§64653. Filtration.

- (a) All approved surface water utilized by a supplier shall be treated using one of the following filtration technologies unless an alternative process has been approved by the State Water Board pursuant to subsections (e), (f), (g) and (h):
 - (1) Conventional filtration treatment;
 - (2) Direct filtration treatment;
 - (3) Diatomaceous earth filtration; or
 - (4) Slow sand filtration.
- (b) Conventional filtration treatment shall be deemed to be capable of achieving at least 99.7 percent removal of *Giardia lamblia* cysts, 99 percent removal of viruses, and 99 percent removal of *Cryptosporidium* when in compliance with operating criteria specified in section 64660 and performance standards specified in table 64653. Direct filtration treatment, diatomaceous earth filtration, and slow sand filtration shall be deemed to be capable of achieving at least 99 percent removal of *Giardia lamblia* cysts, 90 percent removal of viruses, and 99 percent removal of *Cryptosporidium* when in compliance with operating criteria specified in section 64660 and performance standards specified in table 64653.
- (e) An alternative to the filtration technologies specified in subsection (a) may be used provided that the supplier demonstrates to the State Board that the alternative technology:
 - (1) Provides a minimum of 99 percent *Giardia lamblia* cyst removal, 90 percent virus removal for the suppliers serving more than 500 persons, and 99 percent *Cryptosporidium* removal; and
 - (2) Meets the turbidity performance standards established by the State Board, as determined from the alternative filtration technology demonstration conducted pursuant to subsection (f). The turbidity performance standards shall not be less stringent than the turbidity performance standards established in subsection (c)(1).
- (f) The alternative filtration technology demonstration shall be based on the results from a prior equivalency demonstration or a testing of a full scale installation that is treating a water with similar characteristics and is exposed to similar hazards as the water proposed for treatment. A pilot plant test of the water to be treated may also be used for this demonstration if conducted with the approval of the State Board. The demonstration shall be presented in an engineering report prepared by a qualified engineer.

Section 64463.4 (Tier 2 Public Notice) states:

- (a) A water system shall give public notice pursuant to this section if any of the following occurs:
 - (1) Any violation of the MCL, MRDL, and treatment technique requirements, except:
 - (A) Where a Tier 1 public notice is required under section 64463.1; or
 - (B) Where the State Water Board determines that a Tier 1 public notice is required, based on potential health impacts and persistence of the violations;
 - (2) All violations of the monitoring and testing procedure requirements in sections 64421 through 64426.1, article 3 (Primary Standards – Bacteriological Quality), for which the State Water Board determines that a Tier 2 rather than a Tier 3 public notice is required, based on potential health impacts and persistence of the violations;
 - (3) Other violations of the monitoring and testing procedure requirements in this chapter, and chapters 15.5, 17 and 17.5, for which the State Water Board determines that a Tier 2 rather than a Tier 3 public notice is required, based on potential health impacts and persistence of the violations; or
 - (4) Failure to comply with the terms and conditions of any variance or exemption in place.
- (b) A water system shall give the notice as soon as possible within 30 days after it learns of a violation or occurrence specified in subsection (a), except that the water system may request an extension of up to 60 days for providing the notice. This extension would be subject to the State Water Board's written approval based on the violation or occurrence having been resolved and the State Water Board's determination that public health and welfare would in no way be adversely affected. In addition, the water system shall:

- (1) Maintain posted notices in place for as long as the violation or occurrence continues, but in no case less than seven days;
 - (2) Repeat the notice every three months as long as the violation or occurrence continues. Subject to the State Water Board's written approval based on its determination that public health would in no way be adversely affected, the water system may be allowed to notice less frequently but in no case less than once per year. No allowance for reduced frequency of notice shall be given in the case of a total coliform MCL violation or violation of a Chapter 17 treatment technique requirement; and
 - (3) For turbidity violations pursuant to sections 64652.5(c)(2) and 64653(c), (d) and (f), as applicable, a water system shall consult with the State Water Board as soon as possible within 24 hours after the water system learns of the violation to determine whether a Tier 1 public notice is required. If consultation does not take place within 24 hours, the water system shall give Tier 1 public notice within 48 hours after learning of the violation.
- (c) A water system shall deliver the notice, in a manner designed to reach persons served, within the required time period as follows:
- (1) Unless otherwise directed by the State Water Board in writing based on its assessment of the violation or occurrence and the potential for adverse effects on public health and welfare, community water systems shall give public notice by:
 - (A) Mail or direct delivery to each customer receiving a bill including those that provide their drinking water to others (e.g., schools or school systems, apartment building owners, or large private employers), and other service connections to which water is delivered by the water system; and
 - (B) Use of one or more of the following methods to reach persons not likely to be reached by a mailing or direct delivery (renters, university students, nursing home patients, prison inmates, etc.):
 1. Publication in a local newspaper;
 2. Posting in conspicuous public places served by the water system, or on the Internet; or
 3. Delivery to community organizations.
 - (2) Unless otherwise directed by the State Water Board in writing based on its assessment of the violation or occurrence and the potential for adverse effects on public health and welfare, noncommunity water systems shall give the public notice by:
 - (A) Posting in conspicuous locations throughout the area served by the water system; and
 - (B) Using one or more of the following methods to reach persons not likely to be reached by a public posting:
 1. Publication in a local newspaper or newsletter distributed to customers;
 2. E-mail message to employees or students;
 3. Posting on the Internet or intranet; or
 4. Direct delivery to each customer.

Section 64465 (Public Notice Content and Format) states in relevant part:

- (a) Each public notice given pursuant to this article, except Tier 3 public notices for variances and exemptions pursuant to subsection (b), shall contain the following:
- (1) A description of the violation or occurrence, including the contaminant(s) of concern, and (as applicable) the contaminant level(s);
 - (2) The date(s) of the violation or occurrence;
 - (3) Any potential adverse health effects from the violation or occurrence, including the appropriate standard health effects language from appendices 64465-A through G;
 - (4) The population at risk, including subpopulations particularly vulnerable if exposed to the contaminant in drinking water;
 - (5) Whether alternative water supplies should be used;
 - (6) What actions consumers should take, including when they should seek medical help, if known;
 - (7) What the water system is doing to correct the violation or occurrence;
 - (8) When the water system expects to return to compliance or resolve the occurrence;
 - (9) The name, business address, and phone number of the water system owner, operator, or designee of the water system as a source of additional information concerning the public notice;
 - (10) A statement to encourage the public notice recipient to distribute the public notice to other persons served, using the following standard language: —Please share this information with all the other people who drink this water, especially those who may not have received this public notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail; and
 - (11) For a water system with a monitoring and testing procedure violation, this language shall be included: "We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During [compliance period dates], we ['did not monitor or test' or 'did not complete all monitoring or testing'] for [contaminant(s)], and therefore, cannot be sure of the quality of your drinking water during that time." ...
- (c) A public water system providing notice pursuant to this article shall comply with the following multilingual-related requirements:
- (2) For a Tier 2 or Tier 3 public notice:

- (A) The notice shall contain information in Spanish regarding the importance of the notice, or contain a telephone number or address where Spanish-speaking residents may contact the public water system to obtain a translated copy of the notice or assistance in Spanish; and
- (B) When a non-English speaking group other than Spanish-speaking exceeds 1,000 residents or 10 percent of the residents served by the public water system, the notice shall include:

- 1. Information in the appropriate language(s) regarding the importance of the notice; or
- 2. A telephone number or address where such residents may contact the public water system to obtain a translated copy of the notice or assistance in the appropriate language; and

- (3) For a public water system subject to the Dymally-Alatorre Bilingual Services Act, Chapter 17.5, Division 7, of the Government Code (commencing with section 7290), meeting the requirements of this Article may not ensure compliance with the Dymally-Alatorre Bilingual Services Act.

- (d) Each public notice given pursuant to this article shall:

- (1) Be displayed such that it catches people's attention when printed or posted and be formatted in such a way that the message in the public notice can be understood at the eighth-grade level;
- (2) Not contain technical language beyond an eighth-grade level or print smaller than 12 point; and
- (3) Not contain language that minimizes or contradicts the information being given in the public notice.

Section 64469 (Reporting Requirements) states in relevant part:

- (d) Within 10 days of giving initial or repeat public notice pursuant to Article 18 of this Chapter, except for notice given under section 64463.7(d), each water system shall submit a certification to the State Water Board that it has done so, along with a representative copy of each type of public notice given.

Section 64481 (Content of the Consumer Confidence Report) states in relevant part:

- (d) For contaminants identified in subsection (c), the water system shall include in the Consumer Confidence Report one table or several adjacent tables that have been developed pursuant to this subsection. Any additional monitoring results that a water system chooses to include in its Consumer Confidence Report shall be displayed separately.

- (3) The table(s) shall clearly identify any data indicating violations of MCLs, regulatory action levels, MRDLs, or treatment techniques and the Consumer Confidence Report shall give information on each violation including the length of the violation, potential adverse health effects (PDWS only), and actions taken by the system to address the violation. To describe the potential health effects, the system shall use the relevant language pursuant to appendices 64465-A through H;

- (g) For the year covered by the report, the Consumer Confidence Report shall note any violations of paragraphs (1) through (7) and give related information, including any potential adverse health effects, and the steps the system has taken to correct the violation.

- (1) Monitoring and reporting of compliance data.

- (2) Filtration, disinfection, and recycled provisions prescribed by sections 64652, 64652.5, 64653, 64653.5(b), or 64654. For systems that have failed to install adequate filtration or disinfection equipment or processes, or have had a failure of such equipment or processes that constitutes a violation, the Consumer Confidence Report shall include the health effects language pursuant to appendix 64465-B as part of the explanation of potential adverse health effects.

- (3) One or more actions prescribed by the lead and copper requirements in sections 64673, 64674, 64683 through 64686, and 64688. To address potential adverse health effects, the Consumer Confidence Report shall include the applicable language pursuant to appendix 64465-D for lead, copper, or both.

- (4) Treatment technique requirements for Acrylamide and Epichlorohydrin in section 64448; to address potential adverse health effects, the Consumer Confidence Report shall include the relevant language from appendix 64465-H.

- (5) Recordkeeping of compliance data.

- (6) Special monitoring requirements prescribed by section 64449(b)(2) and (g).

- (7) Terms of a variance, an exemption, or an administrative or judicial order.

APPENDIX 2. NOTIFICATION TEMPLATE

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Por favor hable con alguien que lo pueda traducir.

Lockheed Martin Space Systems Santa Cruz Facility Water System Does Not Meet Treatment Requirement (Filtration)

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we are doing to correct this situation.

On [date], the State Water Resources Control Board, Division of Drinking Water ordered us to install filtration that complies with the California Code of Regulations Title 22 Chapter 17 Surface Water Treatment Rule, in addition to disinfecting. We are required to install this filtration because our current filtration system does not comply with state regulations.

What should I do?

- **You do not need to boil your water or take other actions.**
- This is not an emergency. If it had been, you would have been notified immediately. We do not know of any cases of contamination. However, until improvements are made, there is an increased chance that disease-causing organisms could contaminate the water supply.
- *Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. These symptoms, however, are not caused only by organisms in drinking water. If you experience any of these symptoms and they persist, you may want to seek medical advice.*
- A home filter will not necessarily solve the problem, because not all home filters protect against parasites. For information on appropriate filters, call NSF International at 1(800) 673-6275, the Water Quality Association at (630) 505-0160, or the State Water Resources Control Board's, Residential Water Treatment Device Registration Unit at (916) 449-5600 or visit the State Water Board's website at www.swrcb.ca.gov.
- People with severely compromised immune systems, infants, and some elderly may be at increased risk. These people should seek advice about drinking water from their health care providers. General guidelines on ways to lessen the risk of infection by microbes are available from U.S. EPA's Safe Drinking Water Hotline at 1(800) 426-4791.

- If you have other health issues concerning the consumption of the water, you may wish to consult your doctor.

What happened? What is being done?

Filtration is the best method for removing these organisms. [Describe corrective action]. We anticipate resolving the problem within [estimated time frame]. Until filtration is installed, you will receive a notice similar to this every three months.

For more information, please contact [name of contact] at [phone number] or [mailing address].

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- SCHOOLS: Must notify school employees, students, and parents (if the students are minors).
- RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS (including nursing homes and care facilities): Must notify tenants.
- BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS: Must notify employees of businesses located on the property.

This notice is being sent to you by [system].

State Water System ID#: _____ Date distributed: _____.

APPENDIX 3. COMPLIANCE CERTIFICATION

Compliance Order No. 02_05_17R_004

Name of Water System: Lockheed Martin

System Number: 4400801

Certification

I certify that the users of the water supplied by this water system were notified of the violations of California Code of Regulations, Title 22, as indicated below:

Required Action	Date Completed
Mail or Direct delivery of notice	
Posting in conspicuous public places served by the water system	

Signature of Water System Representative

Date

Attach a copy of the public notice distributed to the water system's customers.

**THIS FORM MUST BE COMPLETED AND RETURNED TO THE STATE WATER BOARD,
DIVISION OF DRINKING WATER**

Disclosure: Be advised that the California Health and Safety Code, Sections 116725 and 116730 state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the Safe Drinking Water Act may be liable for, respectively, a civil penalty not to exceed five thousand dollars (\$5,000) for each separate violation or, for continuing violations, for each day that violation continues, or be punished by a fine of not more than \$25,000 for each day of violation, or by imprisonment in the county jail not to exceed one year, or by both the fine and imprisonment.

APPENDIX 4. QUARTERLY PROGRESS REPORT

Compliance Order No. 02_05_17R_004

Water System: Lockheed Martin	Water System No: 4400801
Violation: Surface Water Treatment Rule Treatment Filtration Process	
Calendar Quarter:	Date Prepared:

Summary of Compliance Plan

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Tasks Completed in the Quarter

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Tasks Remaining to Complete

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Anticipate Compliance Date*:

* Date shall not be later than December 31, 2019

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System Representative Name & Title: _____

System Representative Signature: _____

This form should be prepared and signed by the water system personnel with appropriate authority to implement the directives of the Compliance Order and the Corrective Action Plan. Please attach additional sheets as necessary. The quarterly progress must be submitted by the 10th day of the month following the end of each subsequent quarter.